

## CLAIMS

1. A recombinant neuron-restrictive silencer factor (NSRF) protein.
2. A recombinant neuron-restrictive silencer factor (NSRF) protein  
according to claim 1 comprising a sequence homologous to the amino acid  
5 sequence shown in Figure 6 or 12.
3. A recombinant neuron-restrictive silencer factor (NSRF) protein  
according to claim 1 comprising the amino acid sequence shown in Figure 6.
4. A recombinant neuron-restrictive silencer factor (NSRF) protein  
according to claim 1 comprising the amino acid sequence shown in Figure  
10 12.
5. A recombinant nucleic acid encoding a neuron-restrictive silencer factor  
(NSRF) protein.
6. A recombinant nucleic acid according to claim 5 wherein said nucleic acid  
comprises a sequence homologous to the nucleotide sequence shown in  
15 Figure 6 or 12.
7. A recombinant nucleic acid according to claim 5 wherein said nucleic acid  
is capable of hybridizing to the nucleic acid sequence shown in Figure 6 or  
12.
8. A recombinant nucleic acid according to claim 5 wherein said nucleic acid  
20 encodes the amino acid sequence shown in Figure 6 or 12.

9. A recombinant nucleic acid according to claim 5 comprising the nucleotide sequence shown in Figure 6.

10. A recombinant nucleic acid according to claim 5 comprising the nucleotide sequence shown in Figure 12.

5 11. An expression vector comprising transcriptional and translational regulatory nucleic acid operably linked to nucleic acid encoding a neuron-restrictive silencer factor (NSRF) protein.

10 12. An expression vector comprising transcriptional and translational regulatory nucleic acid operably linked to nucleic acid comprising the sequence shown in Figure 6 or 12.

13. A host cell transformed with an expression vector comprising a nucleic acid encoding a neuron-restrictive silencer factor (NSRF) protein.

14. A host cell transformed with an expression vector comprising the sequence shown in Figure 6 or 12.

15 15. A method of producing a neuron-restrictive silencer factor (NSRF) protein comprising:

- 20 a) culturing a host cell transformed with an expressing vector comprising a nucleic acid encoding a neuron-restrictive silencer factor (NSRF) protein; and
- b) expressing said nucleic acid to produce a neuron-restrictive silencer factor (NSRF) protein.

16. An antibody which specifically binds to a neuron-restrictive silencer factor (NRSF).
17. An antibody according to claim 16 which specifically binds to a protein comprising the amino acid sequence shown in Figure 6 or 12.